

of Illinois about one-tenth of the freshmen who enter the College of Liberal Arts and Sciences have had less than two years high school mathematics and must have a course in basic mathematics before graduation. However, there are two good reasons why public school teachers should not complacently assume that college preparatory students can learn all the mathematics they need after entering college: first, in recent years only about one out of four of the students who entered with less than two years of high school mathematics has been able to overcome the handicap of inadequate preparation and to complete college training. Second, the postponement of mathematics training noticeably extends the number of years that many students must spend in college. Thus, inadequate high school preparation for college reduces the probability that the student can attain a college degree and increases the financial investment and the amount of time required to earn a degree."

LITERATURE CITED

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NEWS OF TENNESSEE SCIENCE

Construction of the University of Tennessee's new \$1,200,000 chemistry building has been completed, and dedicated. The new building is an addition to Dabney Hall and will permit an increase in enrollment to 2,500 students taking work in chemistry.

An X-ray camera for studying materials at four thousand degrees F. has been developed by the Oak Ridge National Laboratory.

Winners in the Middle Tennessee Science Fair, held at Vanderbilt University, April 9 and 10, were Teddy Scott, 16, of West End High School, who displayed a microwave spectrograph, and Stan Marshall, 17, of Isaac Litton High School, whose exhibit was on the active constituents of natural drugs. Each received a prize of \$10 and an expense paid trip to Purdue University where their exhibits were to be entered in the National Science Fair.

Four students from Tennessee received honorable mention awards in the thirteenth annual science talent search. They are: William Berkley Rucker, Bristol; Earl Reavis Compton, Nashville; and Jane Carruth Blankenship and Robert Elmer Deweese, Oak Ridge.

Benny F. Nelms, Cornersville, Tennessee, received the 4-H Entomology award for 1953, given by the Hercules Powder Company.

The Natural Sciences and Mathematics Division of Fisk University has been greatly strengthened by the addition of five new fulltime faculty members. They are: Dr. Samuel Proctor Massie, Jr., the new head of the chemistry department; Dr. Robert W. Rempfer, associate professor of mathematics; Mr. J. Russell Gabel and Mr. Charles W. Weise, assistant professors of biology.

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